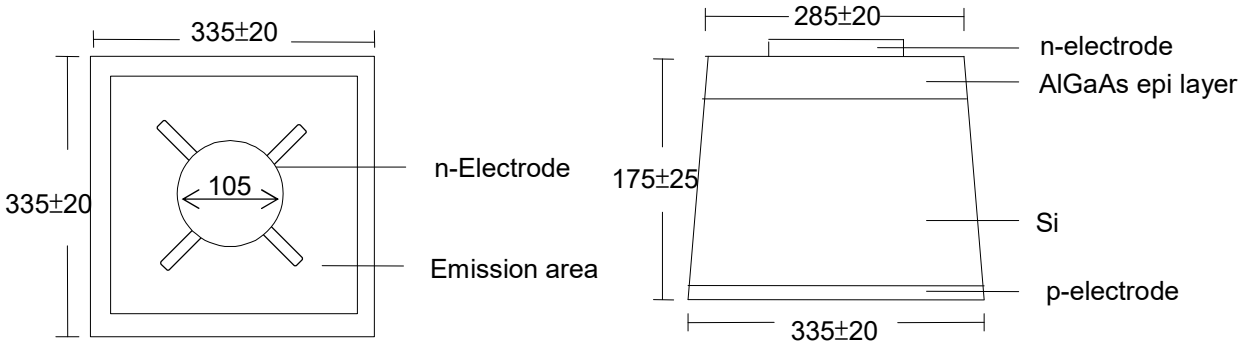
■ Features :

- Suitable for New Creative Products

■ Typical Applications :

- Home entertainment
- Light source for CMOS & CCD camera
- Security camera, CCTV

■ Outline Dimensions : (Unit: um)



■ Physical Structure :

LED Chip dimension	Chip size	335±20 um x 335±20 um
	Thickness	175 ± 25 um
	Emission area	285±20 um
	Bonding pad	105±10 um
Electrode	Top: N (cathode)	Gold
	Backside: P (anode)	Gold
Surface condition	Frosted	

*C

■ Electro-Optical Characteristics : (Ta = 25℃)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward voltage	V_{FH}	I_F = 50 mA	1.10	-	1.70	V
Reverse current	I_R	V_R = 10V	-	-	1	μA
Radiant Power	P_o	I_F = 50 mA	10	-	18	mW
Wavelength	λ_P	I_F = 50 mA	1050	-	1075	nm
Spectral width at half height	△λ	I_F = 50 mA	-	55	-	nm

Typical Electro-Optical Characteristics Curve:

Fig 1. Forward Current vs. Forward Voltage

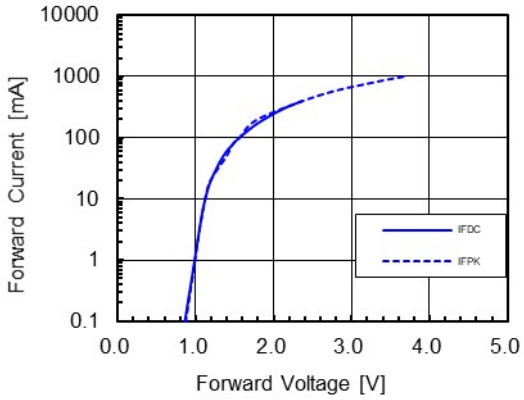


Fig 2. Relative Intensity vs. Forward Current

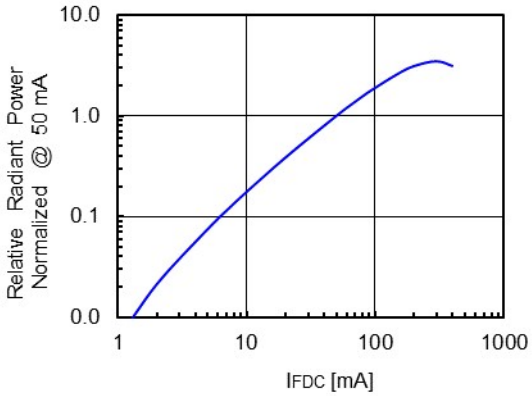


Fig 3. Forward Voltage vs. Temperature

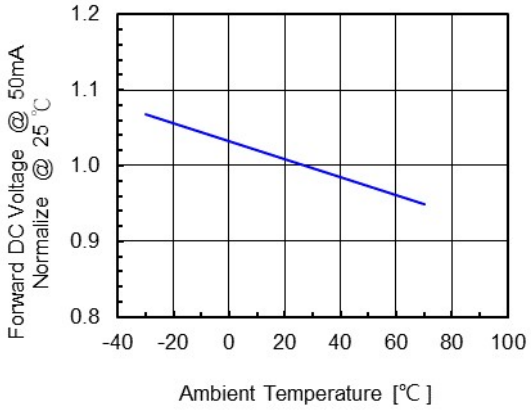


Fig 4. Relative Intensity vs. Temperature

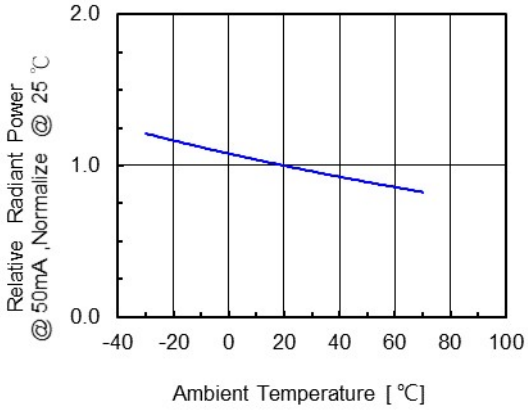


Fig 5. Relative Intensity vs. Wavelength